

ALCHEMIST

S P R O D U C T
E I G H T
P R E

INSTRUCTION

M A N U A L

POSITIONING

The Product 8 Pre Amplifier does not need to dissipate any heat and therefore can be placed anywhere within the system. When using with the Product 8 Power Amplifier(s), do not stack.

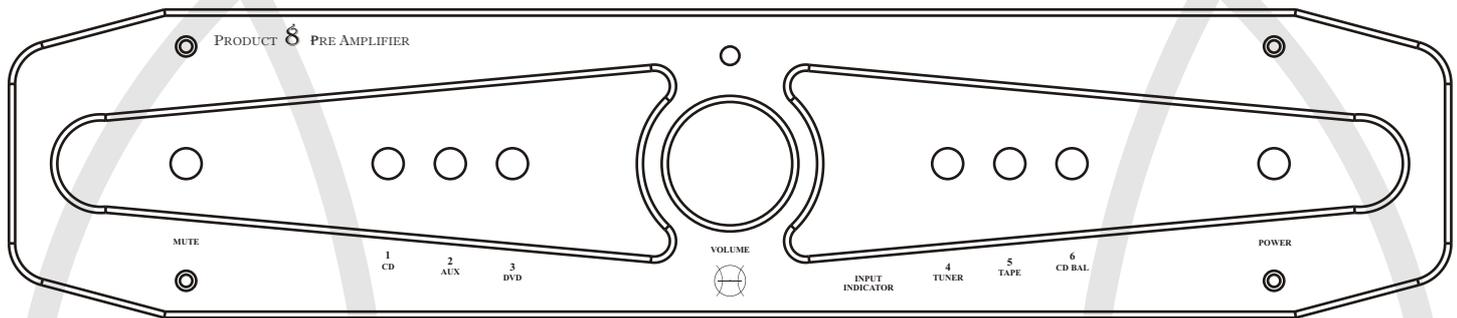
MAINS POWER CONNECTION

The Product 8 Pre Amplifier comes with an IEC mains lead fitted with the relevant plug type for the country of use. If there is any need to change this then follows the relevant instructions for the plug type used.

There is an external replaceable fuse on the rear of the unit: refer to specifications for fuse value.

Never replace with a different value.

Be sure that your system is switched off whilst connecting / disconnecting any leads.



CONTROLS

FASCIA CONTROLS

The controls on the fascia of the Product 8 Pre Amplifier are: VOLUME CONTROL, POWER, MUTE and 6 INPUTS SELECTORS with a power indicator above the volume control.

All functions are duplicated on the Product 8 Pre Amplifier remote handset (except Power).

VOLUME: Use this control to adjust to your required listening level. You will probably find that the maximum usable volume will be attained at approximately two o'clock position on the volume control (See Loudspeaker Matching)

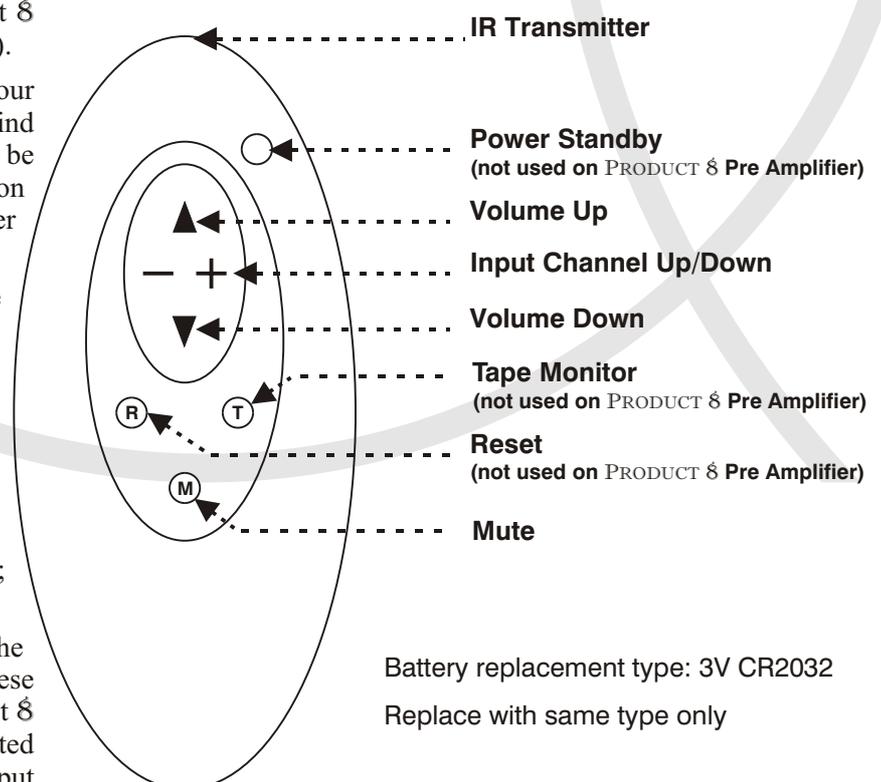
POWER: This will allow the Product 8 Pre Amplifier to be either fully powered up or completely switched off. When the unit is first powered up it will revert to the volume to zero and select input 1. The mute function will also be set.

MUTE: Once the Product 8 Pre Amplifier has been initially switched and powered up, this function will allow you to toggle between; normal listening and mute.

INPUTS SELECTORS: These determine the source component to be listened to. These selections are also controlled by the Product 8 Pre Amplifier remote handset. The selected input will also be routed to the tape output sockets.

REMOTE HANDSET

The Product 8 Pre Amplifier comes supplied with a full function handset. It requires one CR2032 3V battery (supplied) to operate and the functions are as follows:



Battery replacement type: 3V CR2032

Replace with same type only

POWER AMP CONNECTIONS

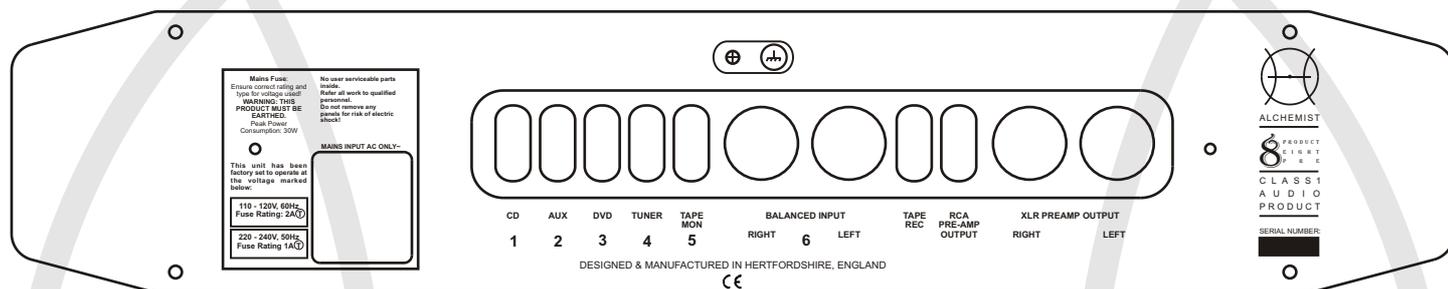
Please note that we do not supply interconnect leads as most people like to choose their own. Unbalance (RCA) leads should not be more than 3 meters long, and balanced (XLR) leads can be any length. If you are in any doubt as to which leads to use, please consult your dealer.

Normal Stereo Configuration (Using one Power Amplifier)

The Product 8 Pre Amplifier can be used in normal stereo mode with any model of power amp, although we would recommend the Product 8 Power Amplifier for optimum performance. The connection can be done in either through unbalance RCA or balanced XLR connection. The cables should connect the Product 8 Pre Amplifier 'preamp output' with the 'preamp input' on the Power amplifier.

Bridged Stereo Configuration (Using Two Product 8 Power Amplifiers)

The Product 8 Pre Amplifier can be in bridged mode when connect a Product 8 Power Amplifier per channel. This is done by connecting a XLR or RCA cable through one of the channel on the Product 8 Pre Amplifier 'preamp output' to the bridged 'preamp input' on one of the Product 8 Power Amplifier. Do the same on the other channel.



SOURCE CONNECTIONS

Be sure that your Pre Amplifier is switched off when connecting or disconnecting any leads.

As the phono sockets on the Product 8 Pre Amplifier are gold plated, we recommend that, where possible, you use gold phono plugs on your interconnect leads. Gold to gold connections will ensure that a good electrical contact is maintained without the need for periodic cleaning.

Take care that your input leads are correctly oriented for Right and Left channels. RED is usually Right and WHITE or BLACK is usually Left.

The Product 8 Pre Amplifier has six inputs, 1-CD, 2-AUX, 3-DVD, 4-TUNER, 5-TAPE and 6-CD-BAL. There are three outputs, TAPE and two PRE-OUT connections (one XLR and one RCA sockets).

LOUDSPEAKER MATCHING

The most common misunderstanding in matching amplifiers with loudspeakers is with power handling.

When amplifiers are given a power rating, this refers to the maximum output. The maximum usable output will usually be reached at about 1 - 2 o'clock on the volume control, leaving enough reserve power to cope with transients and crescendo's. This limit is also dependant on such things as source output levels and loudspeaker sensitivity. If an amplifier is driven beyond this limit it will 'clip' (literally clipping the wave form), resulting in distortion. It is this distortion that usually damages loudspeakers, and not a mis-match in power ratings. If you are in any doubt about the suitability of your amplifier to drive your loudspeakers, please consult your dealer.

GENERAL CARE

Any cleaning of your PRODUCT 8 Pre Amplifier should be done with a clean dry cloth or soft bristle brush.

There is no need to polish the gold effects, a simple dry wipe is sufficient.

Do not use any solvent or silicone based cleaning solutions as this may result in tarnishing.

Remember to replace all of your packaging in the box and re-seal. Keep the box for any future transportation of your product.

SPECIFICATIONS

PRODUCT PRE AMPLIFIER

Input Sensitivity:	280mV = 1Volt output.
Maximum Output, unclipped:	11.5 V
Frequency Response @3V o/p:	2Hz - 150kHz
Distortion @3V o/p, 1kHz:	<0.01%THD
Distortion @3V o/p, 10kHz:	<0.01% THD
Residual Noise:	Below measurement threshold
Unbalanced Input Impedance:	15k ohms
Balanced Input Impedance:	33k ohms
Unbalanced Output Impedance:	50 ohms
Balanced Output Impedance:	50 ohms
Power Consumption:	14W
External Fuse Value:	2A@110-120V 1A@220-240V
Dimensions (W x H x D):	470mm x 360mm x 105mm
Weight (Packed):	12Kg

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In the unlikely event that we should discover something that would improve one of our products, we reserve the right to change specifications without prior notice. All products made by Alchemist Products Ltd. UK.

Please note that, as with all hi-fi products, there are no user-servicable parts inside.
Please refer all servicing work to a qualified engineer.